

## A. 3-25(2) FOTOMICROGRAFIA DE LAS SECCIONES PULIDAS

### ABREVIACION

Cp ; 黄銅鉍	calcopirita $\text{CuFeS}_2$
Bn ; 斑銅鉍	bornita $\text{Cu}_5\text{FeS}_4$
Cub; キューバ鉍	cubanita $\text{Cu}_2\text{S}, \text{Fe}_4\text{S}_5$
Td ; 四面銅鉍	tetraedrita $5\text{Cu}_2\text{S}, 2(\text{CuFe})\text{S}, 2\text{Sb}_2\text{S}_3$
Bo ; 車骨鉍	burnonita $\text{Cu}_2\text{S}, 2\text{PbS}, \text{Sb}_2\text{S}_3$
Sp ; 閃亜鉛鉍	esfalerita $\text{ZnS}$
Mo ; 輝水鉛鉍	molibdenita $\text{MoS}_2$
Py ; 黄鉄鉍	pirita $\text{FeS}_2$
Po ; 砒硫鉄鉍	pirrotita $\text{Fe}_{1-x}\text{S}$
Mag; 磁鉄鉍	magnetita $\text{Fe}_3\text{O}_4$
Hem; 赤鉄鉍	hematita $\text{Fe}_2\text{O}_3$
Ml ; 針ニッケル鉍	millerita $\text{NiS}$

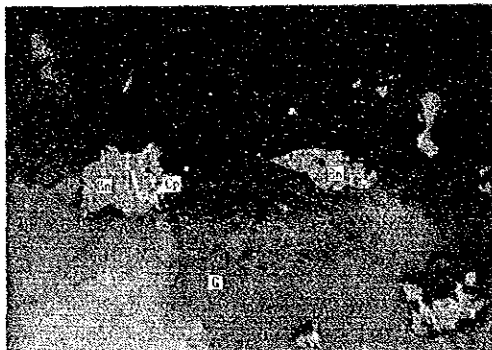


CJM-6 : 46.3m

Bornita(Bn) coexiste  
con la Calcopirita(Cp) y  
la Calcopirita fina en  
la Pirita(Py)

(nicol normal)

0 0.04mm

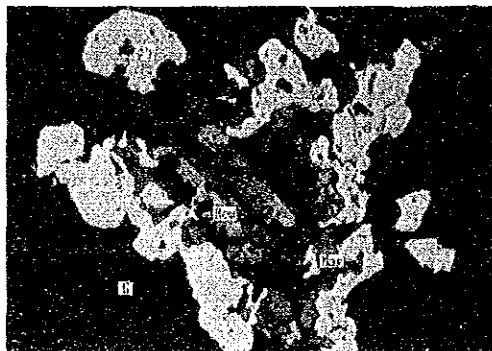


CJM-6 : 46.3m

Bornita(Bn) y  
Calcopirita(Cp)

(nicol normal)

0 0.04mm



CJM-6 : 91.8m

Pirita(Py), Magnetita  
(Mag) y Hematita(Hem)

(nicol normal)

0 0.1mm

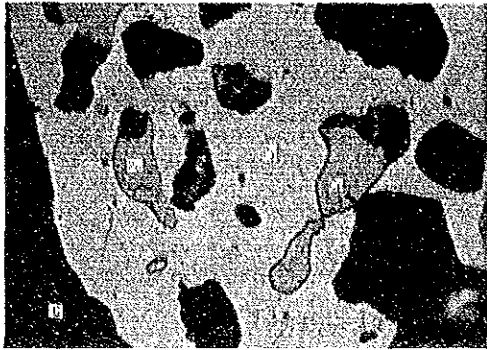


CJM-6 : 91.8m

Cristal anisotrópico  
de Hematita(Hem)

(nicos cruzados)

0 0.1mm



0 0.04mm

CJM-6 : 91.8m

Calcopirita(Cp) y  
Pirrotita(Po) en  
la pirita(Py)

(nicol normal)

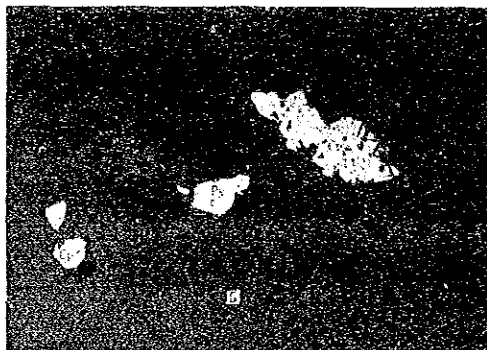


0 0.1mm

CJM-6 : 132.2m

Calcopirita(Cp),  
Magnetita(Mag) y  
Hematita(Hem)

(nicol normal)

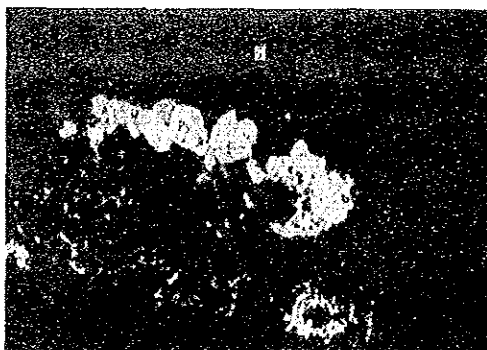


0 0.2mm

CJM-6 : 132.2m

Calcopirita(Cp) y  
pirita(Py)

(nicol normal)

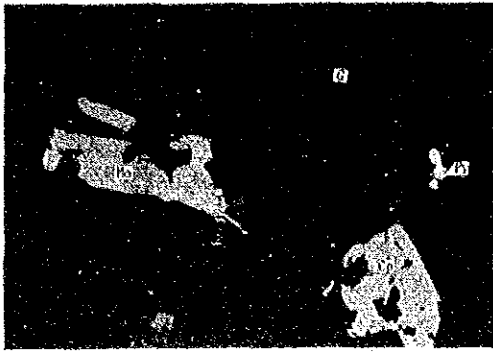


0 0.1mm

CJM-7 : 38.3m

Calcopirita(Cp) existe  
alrededor de la Pirita  
(Py)

(nicol normal)

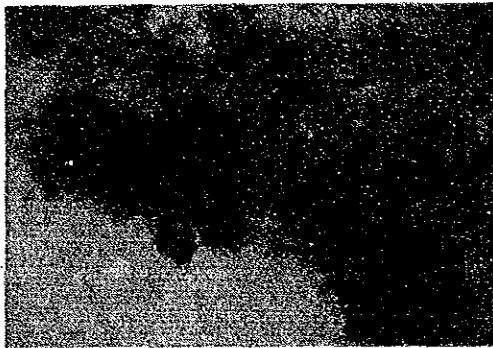


CJM-7 : 38.3m

Molibdenita(Mo),  
 Calcopirita(Cp) y  
 Pirita(Py)

(nicol normal)

0 0.1mm

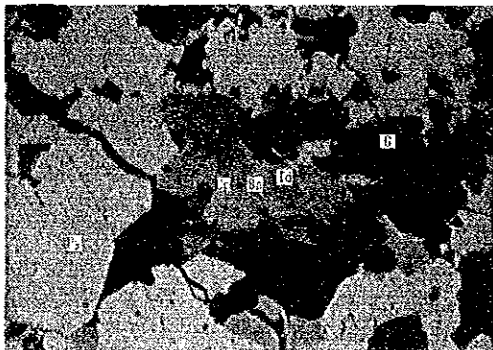


CJM-7 : 38.3m

Cristal anisótropico  
 fuerte de Molibdenita  
 (Mo)

(nicoses cruzados)

0 0.1mm

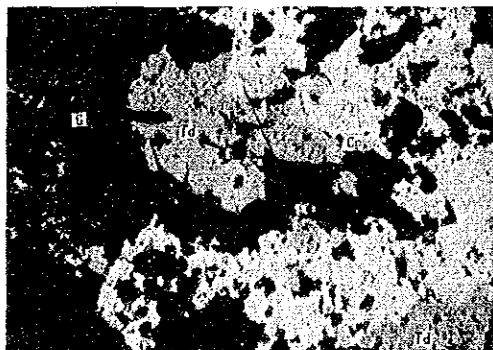


CJM-7 : 81.0m

Calcopirita(Cp) y  
 Tetraedrita(Td) están  
 en el contorno de la  
 Pirita(Py) y la  
 Bornita(Bn) con la  
 Calcopirita intercaladas  
 en la solución

(nicol normal)

0 0.04mm

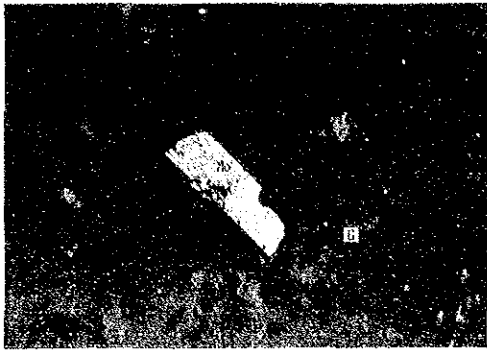


CJM-7 : 81.0m

Calcopirita(Cp) y la  
 Tetraedrita(Td) existen  
 en el contorno de Pirita  
 (Py)

(nicol normal)

0 0.1mm

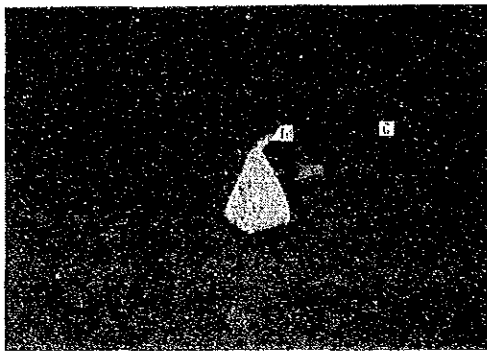


0 0.1mm

CJM-9 : 40.2m

Molibdenita(Mo)

(nicol normal)

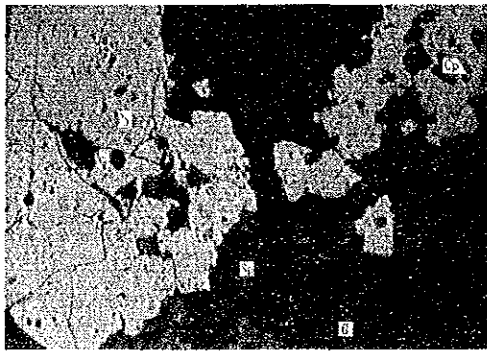


0 0.1mm

CJM-9 : 40.2m

Calcopirita(Cp) y  
Tetraedrita(Td)

(nicol normal)

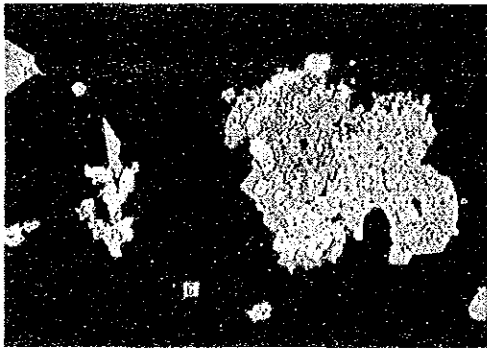


0 0.1mm

CJM-9 : 201.0m

Pirita(Py) y  
Esfalerita(Sp)

(nicol normal)

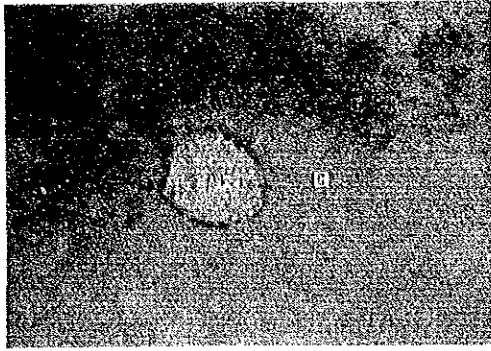


0 0.2mm

CJM-9 : 201.0m

Pirita(Py) y  
Calcopirita(Cp)

(nicol normal)

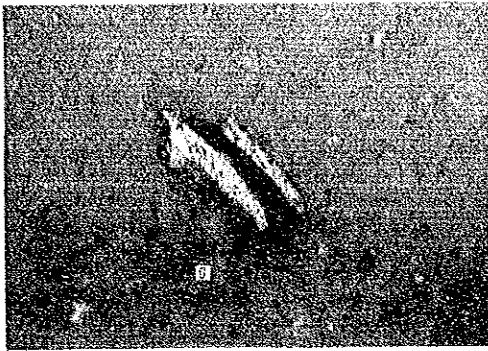


0 0.04mm

CJM-9 : 201.0m

Molibdenita(Mo)

(nicol normal)

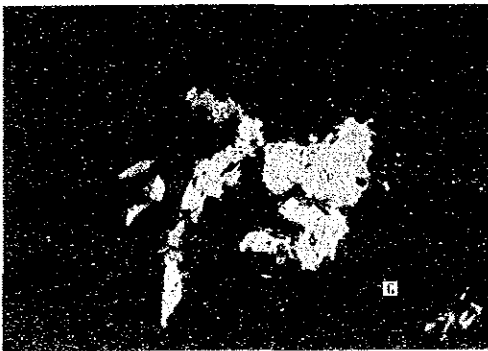


0 0.04mm

CJM-10 : 63.6m

Molibdenita(Mo)

(nicol normal)

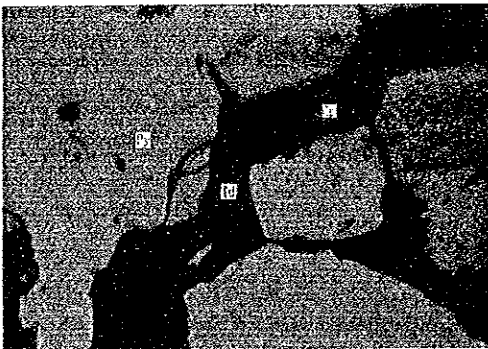


0 0.1mm

CJM-10 : 63.6m

Calcopirita(Cp) y  
Esfalerita(Sp)

(nicol normal)

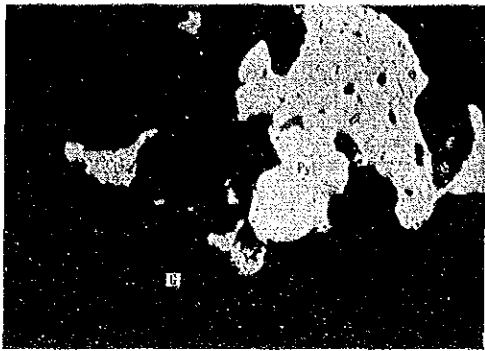


0 0.04mm

CJM-10 : 196.5m

Pirita(Py),  
Calcopirita(Cp) y  
Tetraedrita(Td)

(nicol normal)



CJM-10 : 196.5m

Pirita(Py) y  
Calcopirita(Cp)

(nicol normal)

0 0.2mm

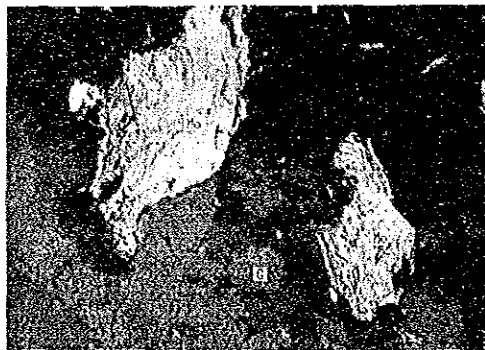


CJM-10 : 306.5m

Tetraedrita(Td) y  
Pirita(Py)

(nicol normal)

0 0.1mm



CJM-10 : 306.5m

Molibdenita(Mo)

(nicol normal)

0 0.2mm



CJM-10 : 306.5m

Cristal anisotropico  
fuerte de Molibdenita

(nicos cruzados)

0 0.2mm



0 0.2mm

CJM-10 : 306.5m

Molibdenita(Mo) y  
Pirita(Py)

(nicol normal)



0 0.2mm

CJM-10 : 306.5m

Cristal anisotropico  
fuerte de Molibdenita

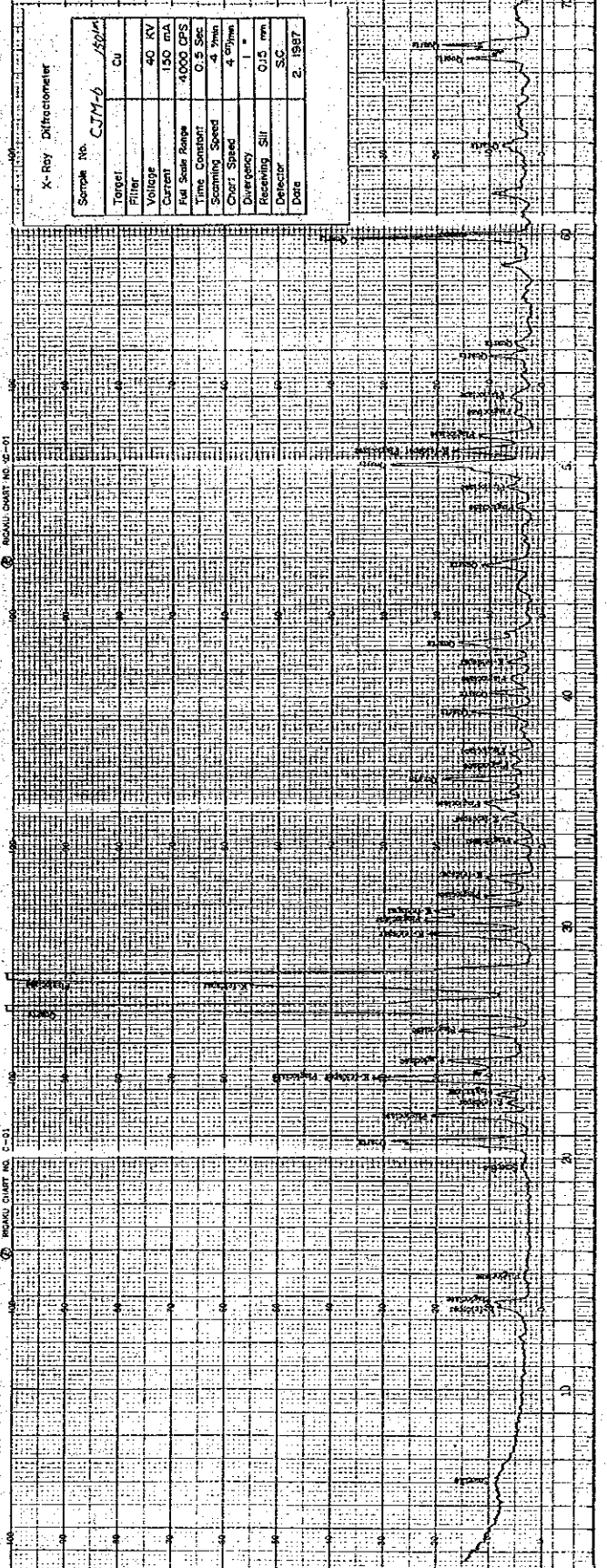
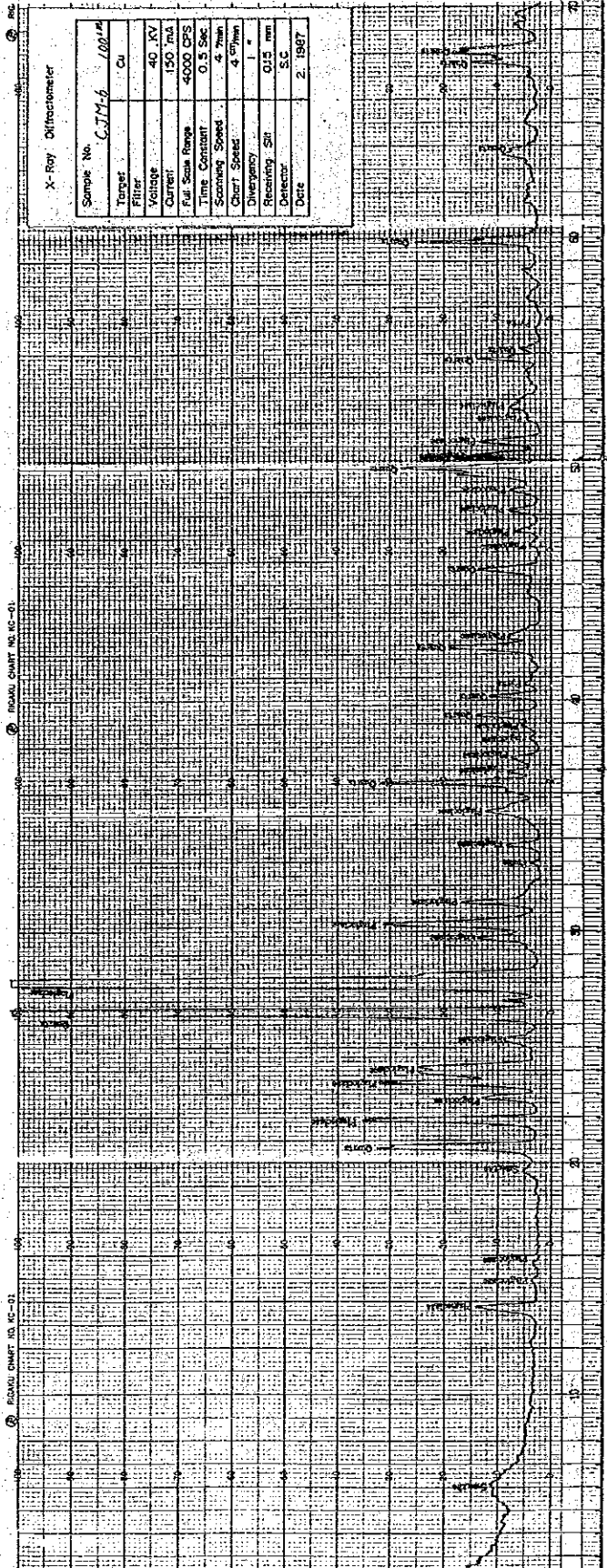
(nicos cruzados)

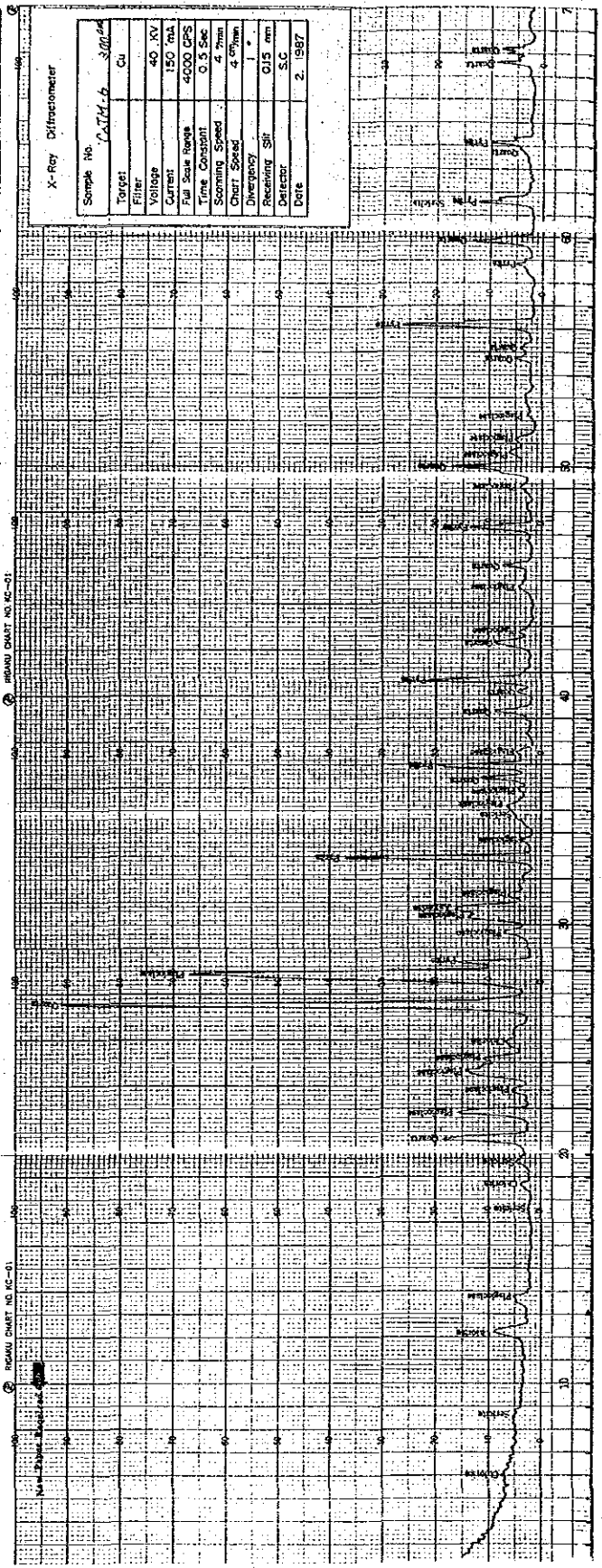
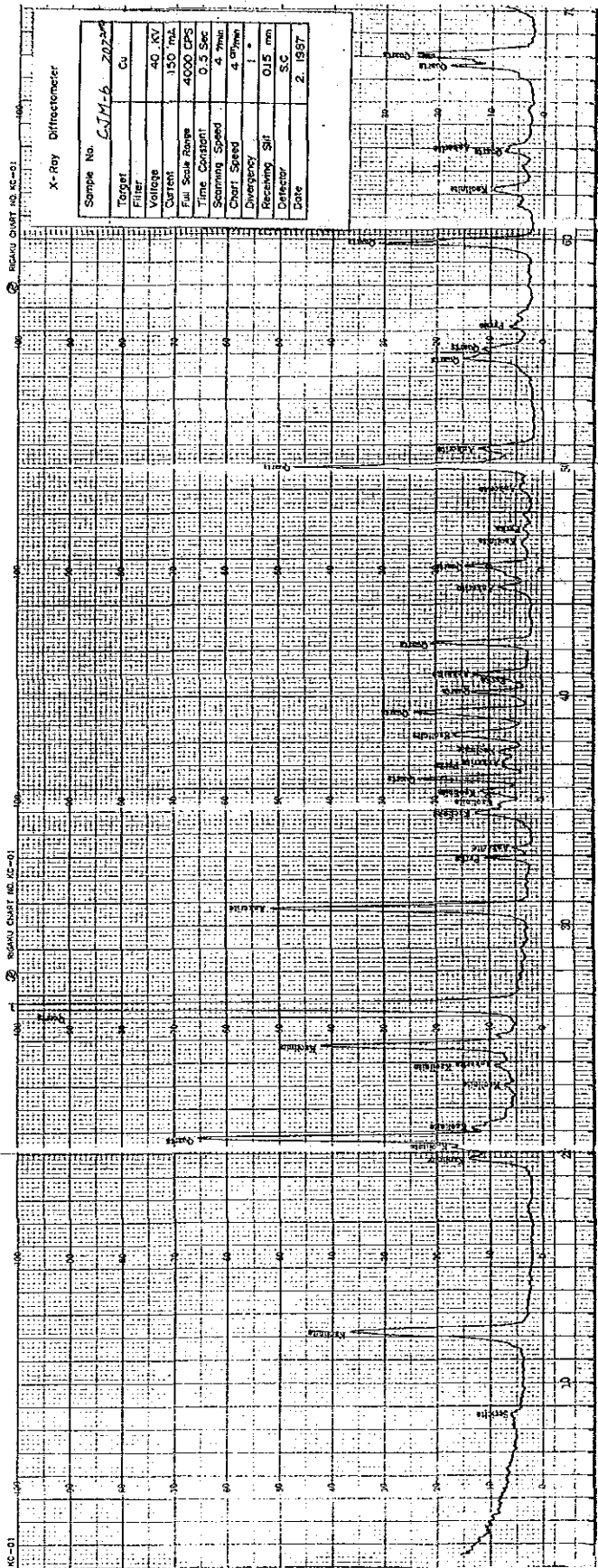


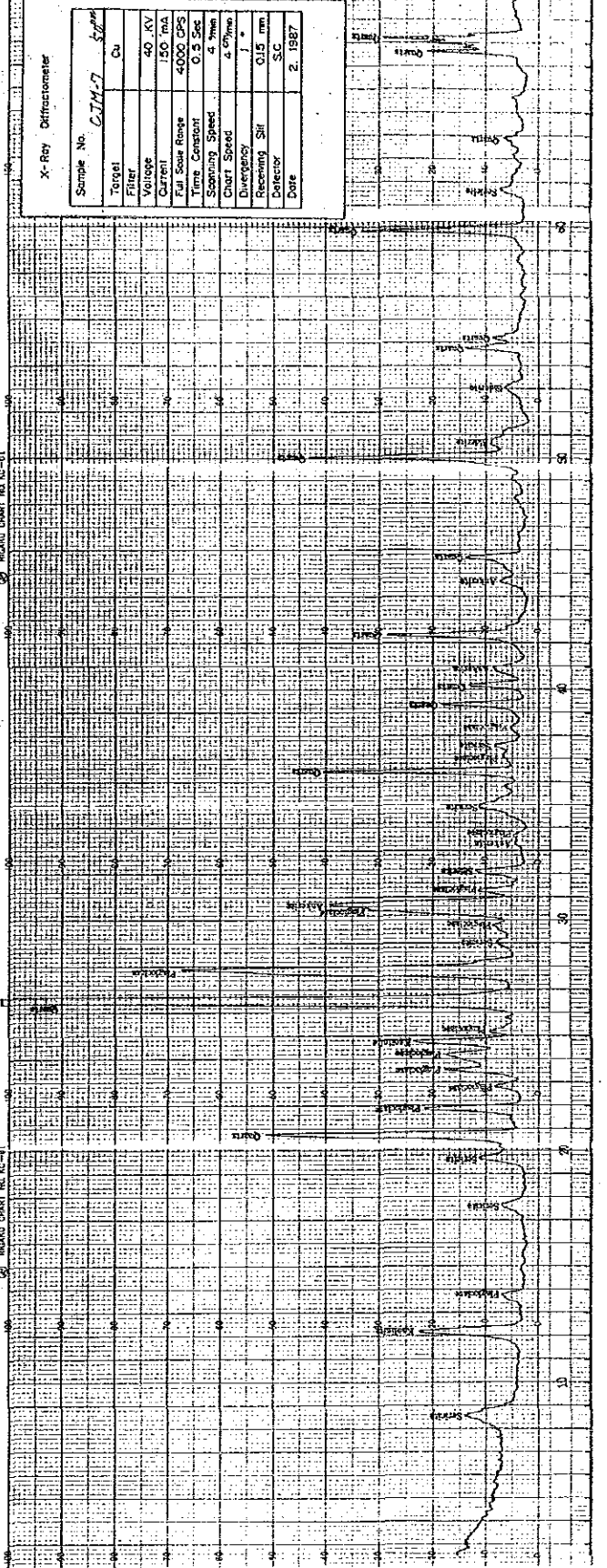
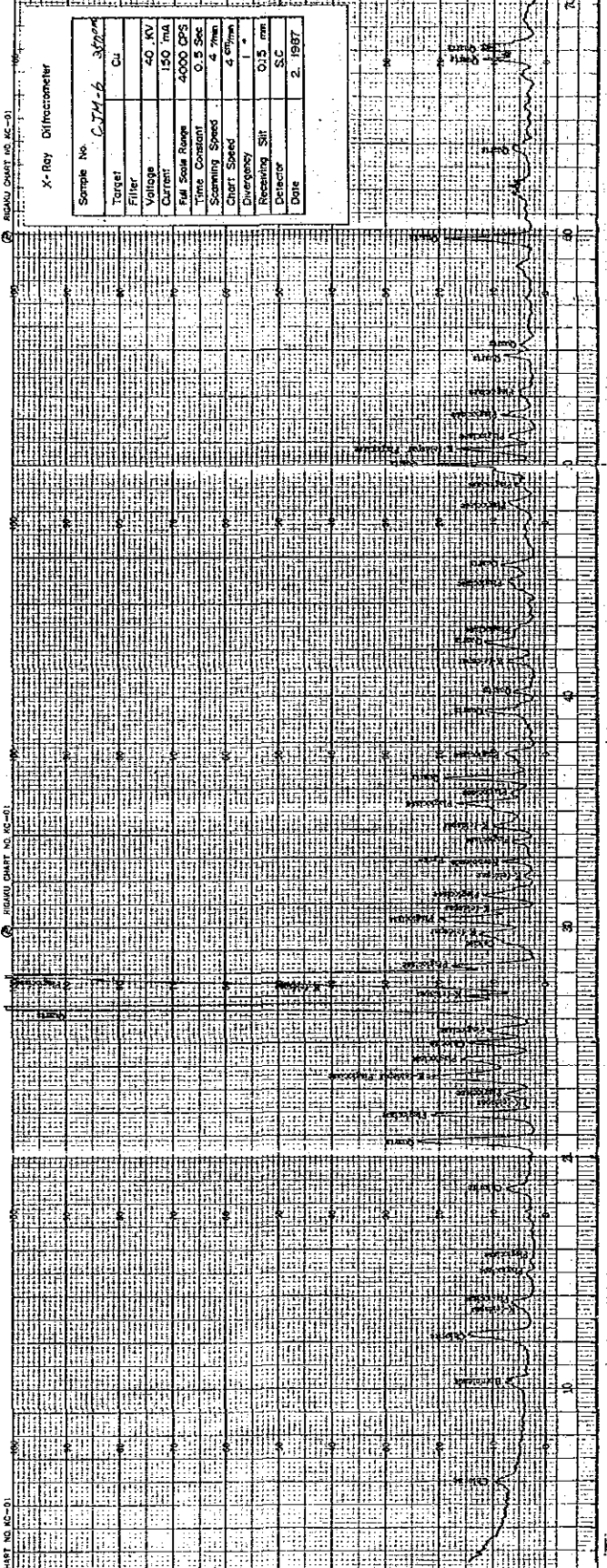


**A.3-26 LAS CARTAS DE DIFRACCION RAYOS X**

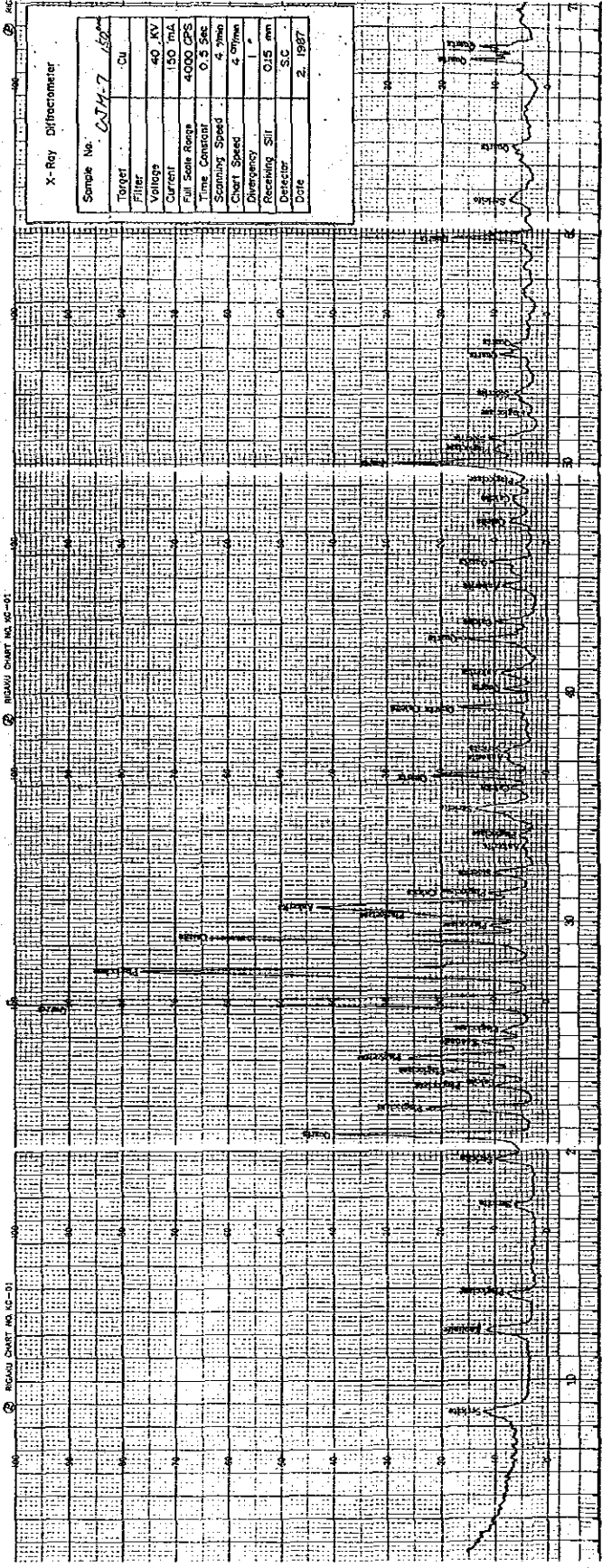
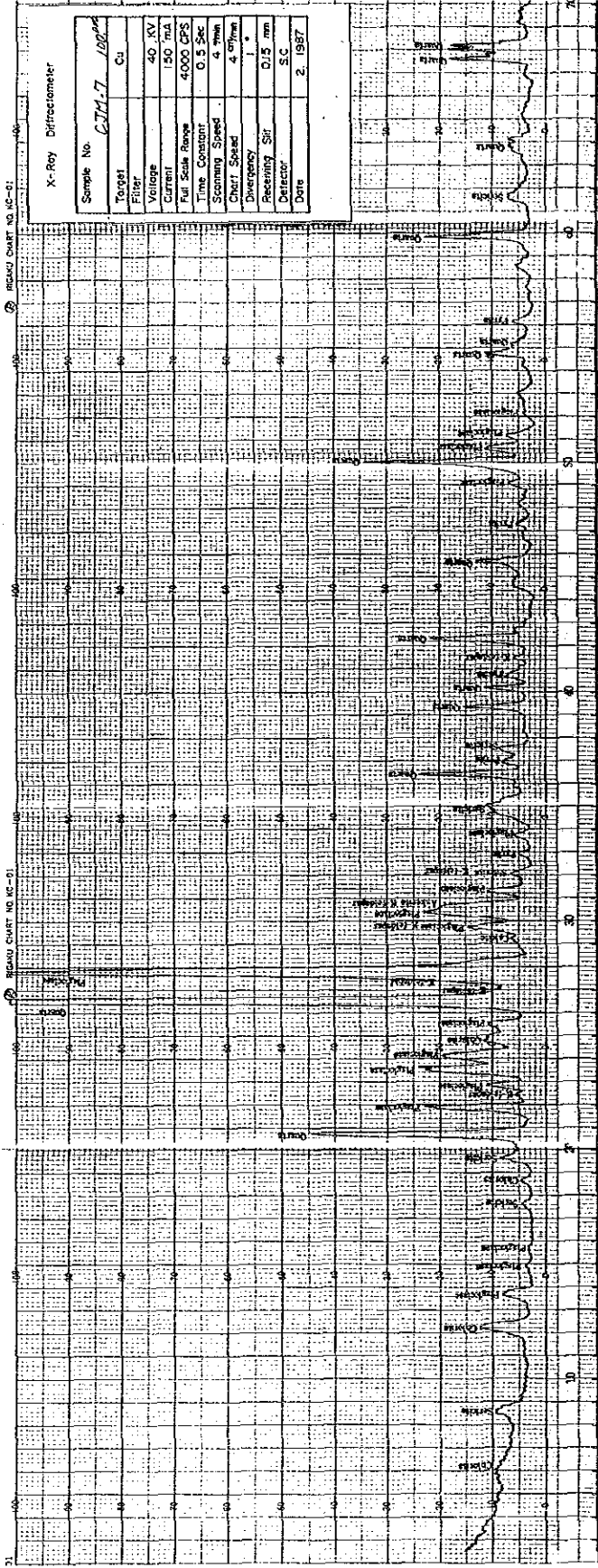


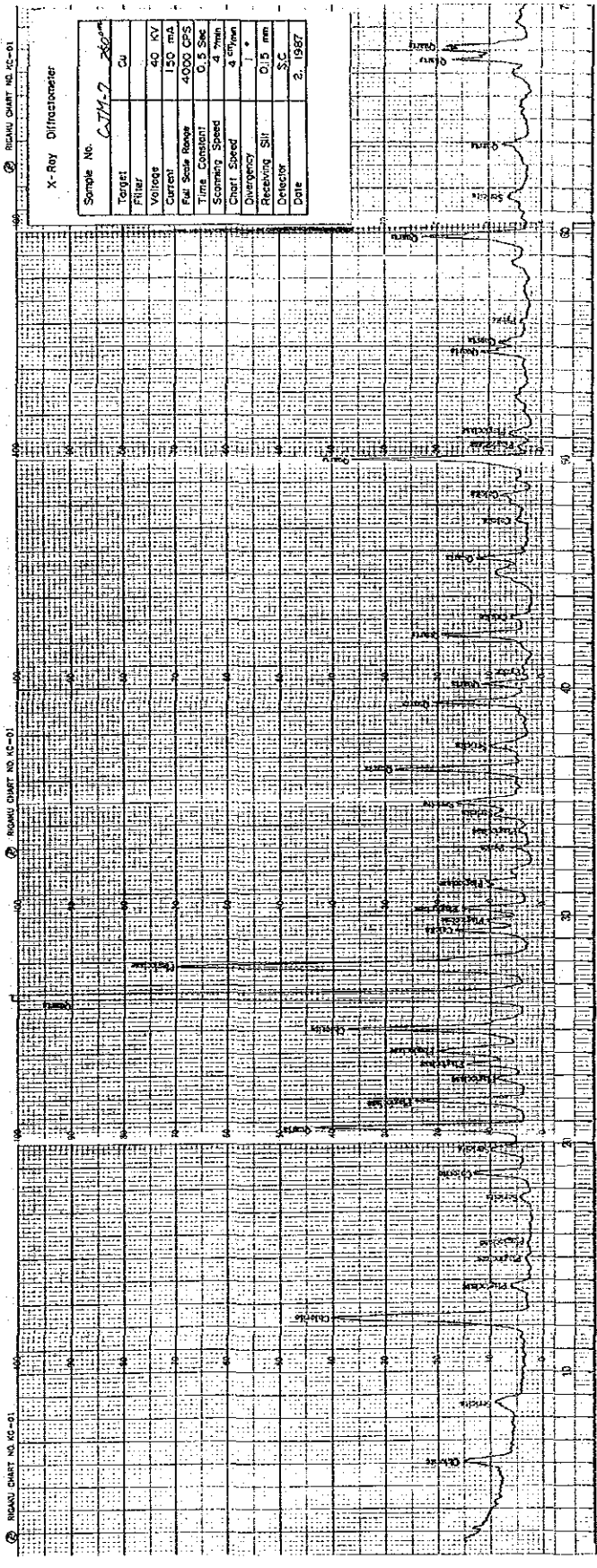
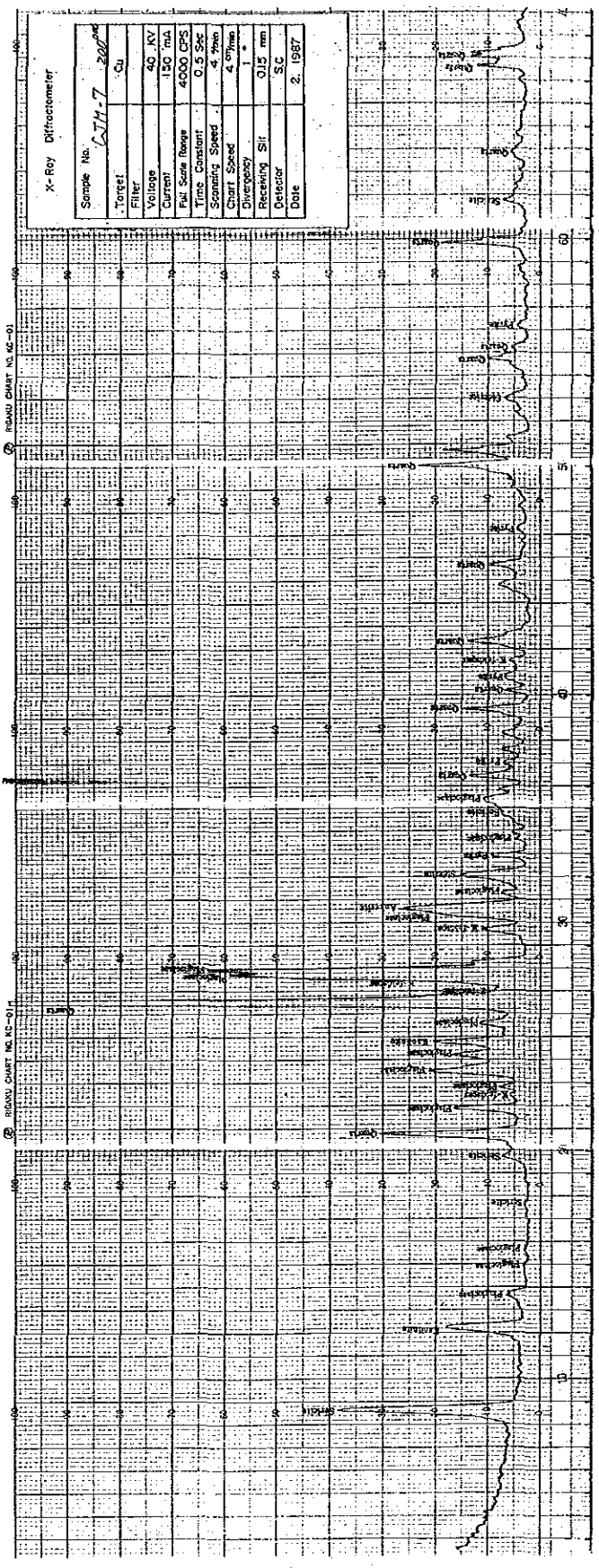




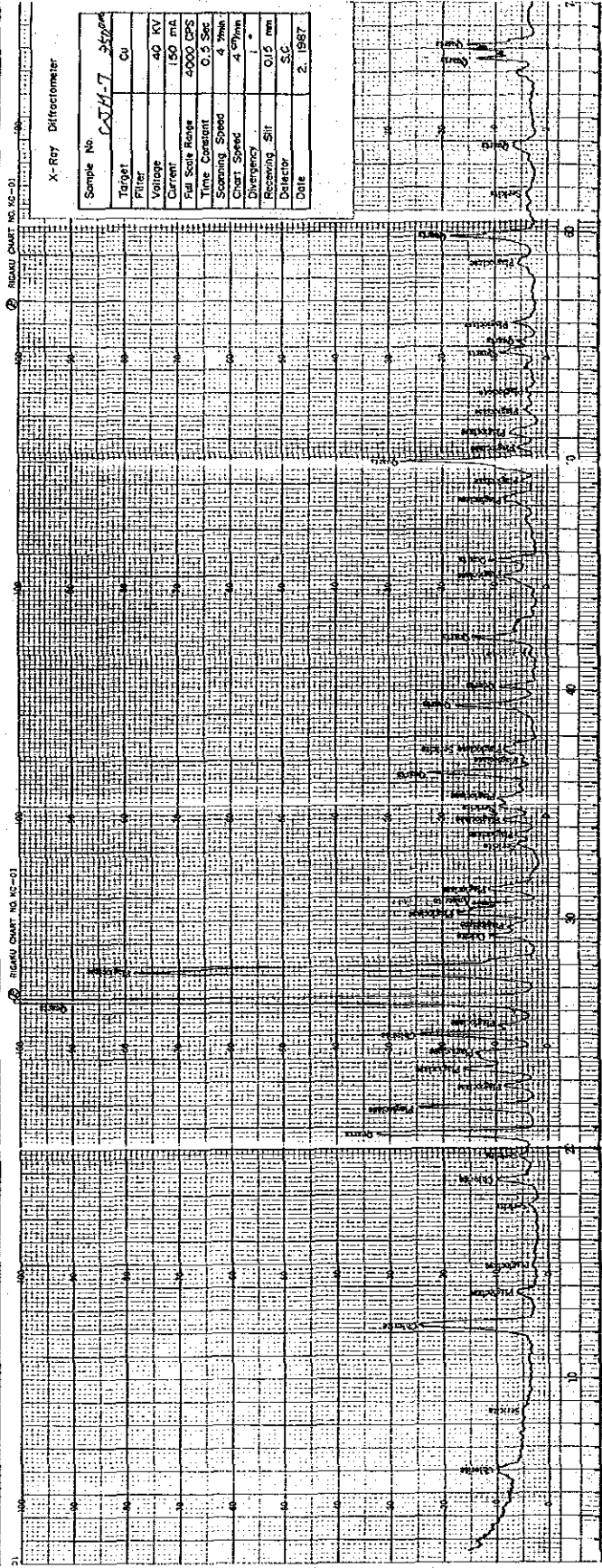
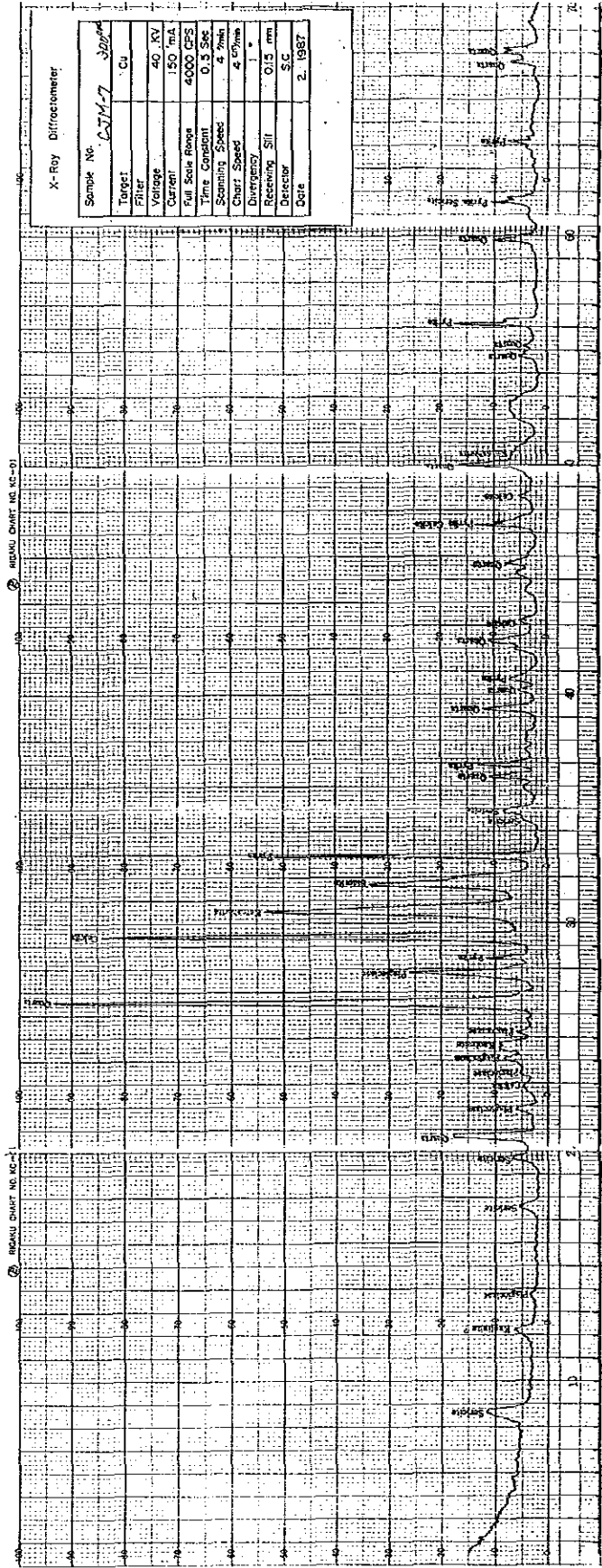






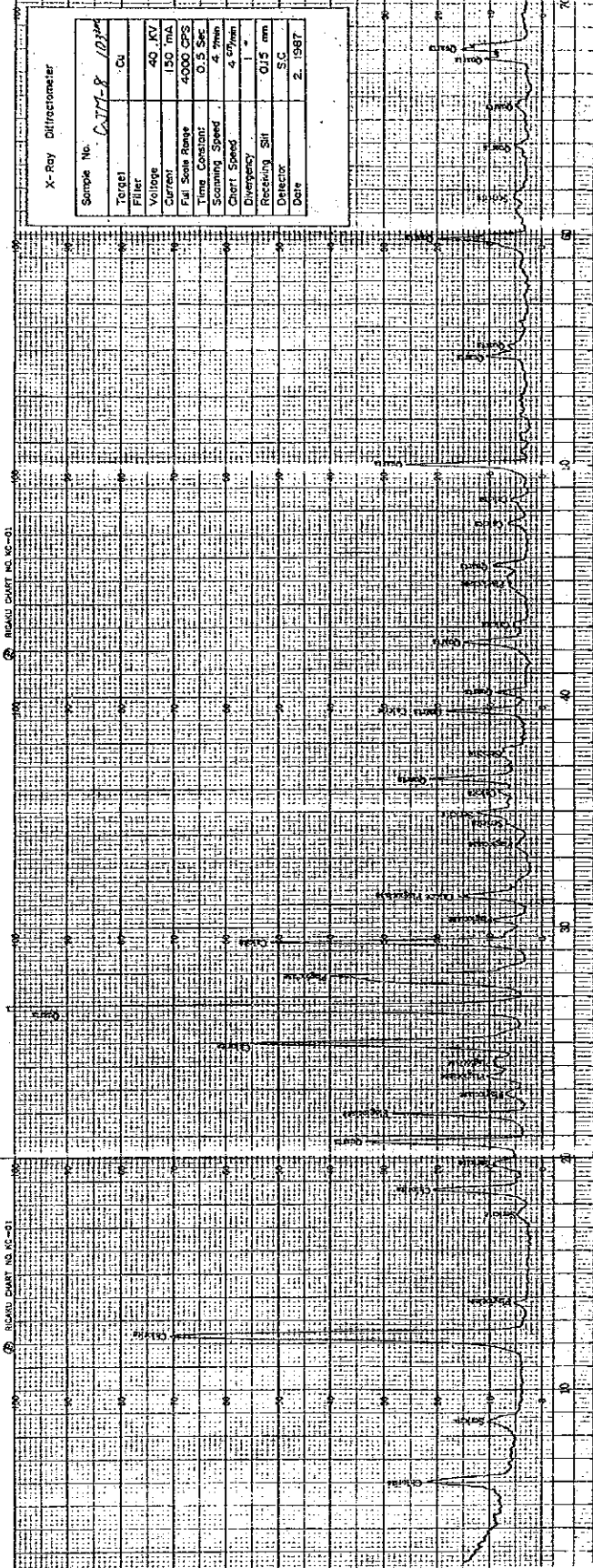






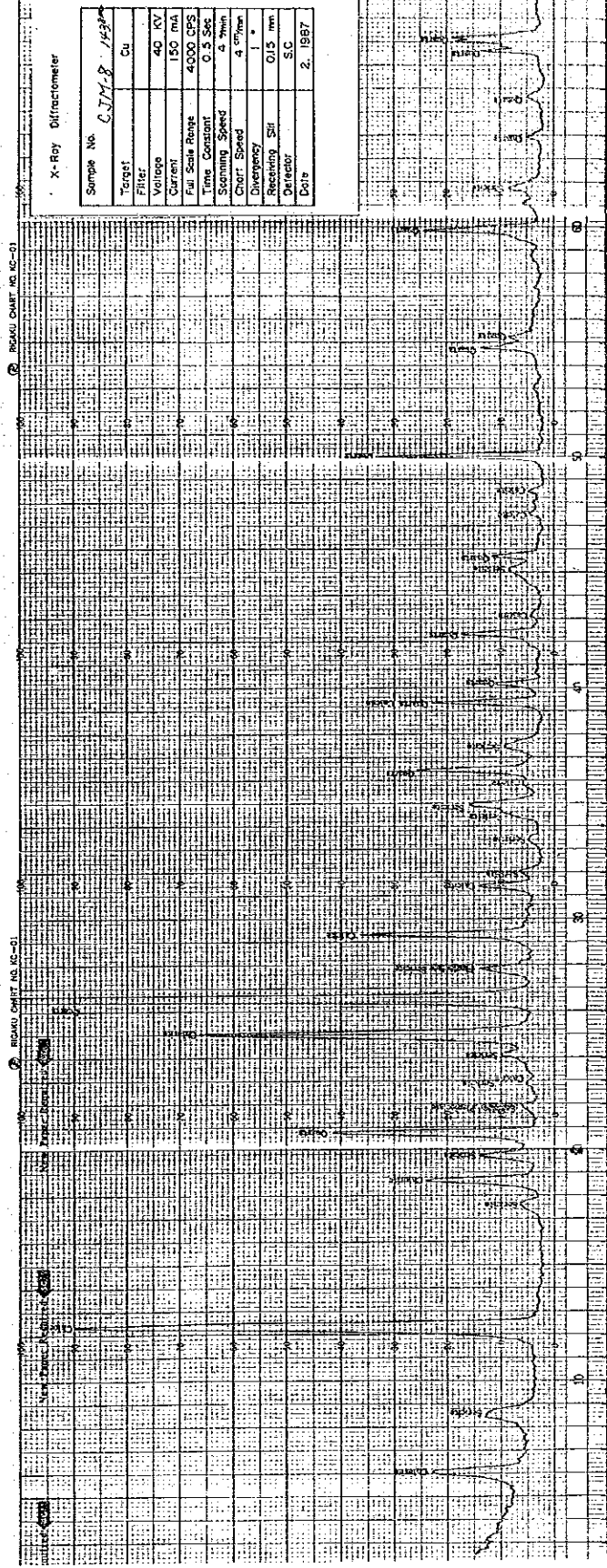
X-Ray Diffractometer

Sample No.	CJ118-1234
Target	Cu
Filter	
Voltage	40 KV
Current	150 mA
Full Scale Range	4000 CPS
Time Constant	0.5 Sec
Scanning Speed	4 °/min
Chart Speed	4 cm/min
Divergency	1 °
Receiving Slit	0.15 mm
Detector	S.C.
Date	2. 1987



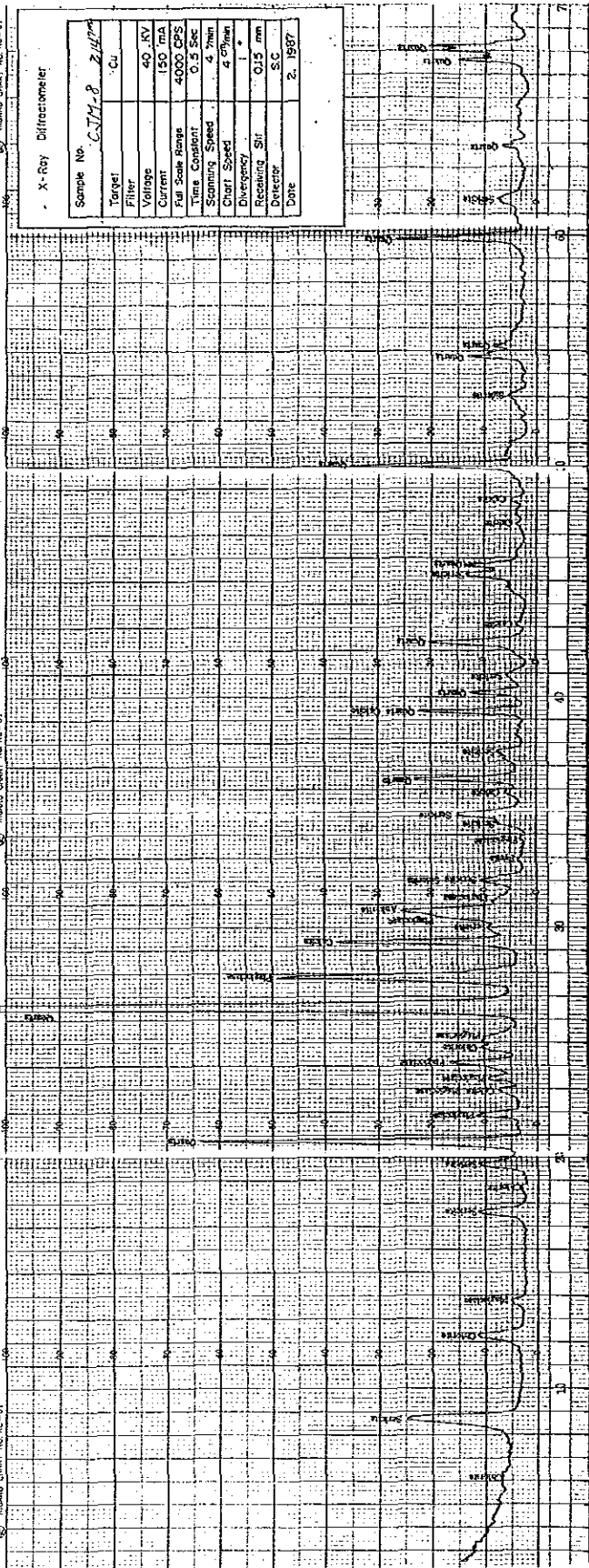
X-Ray Diffractometer

Sample No.	CJ118-1234
Target	Cu
Filter	
Voltage	40 KV
Current	150 mA
Full Scale Range	4000 CPS
Time Constant	0.5 Sec
Scanning Speed	4 °/min
Chart Speed	4 cm/min
Divergency	1 °
Receiving Slit	0.15 mm
Detector	S.C.
Date	2. 1987



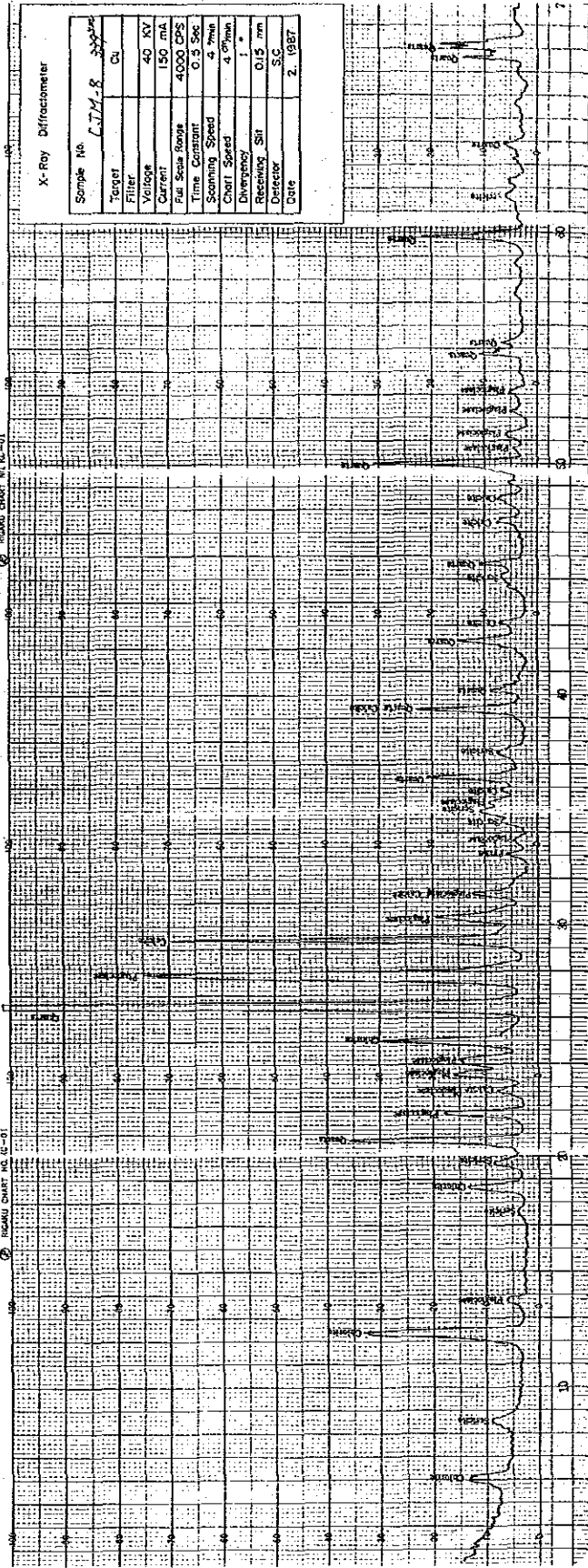
X-Ray Diffractometer

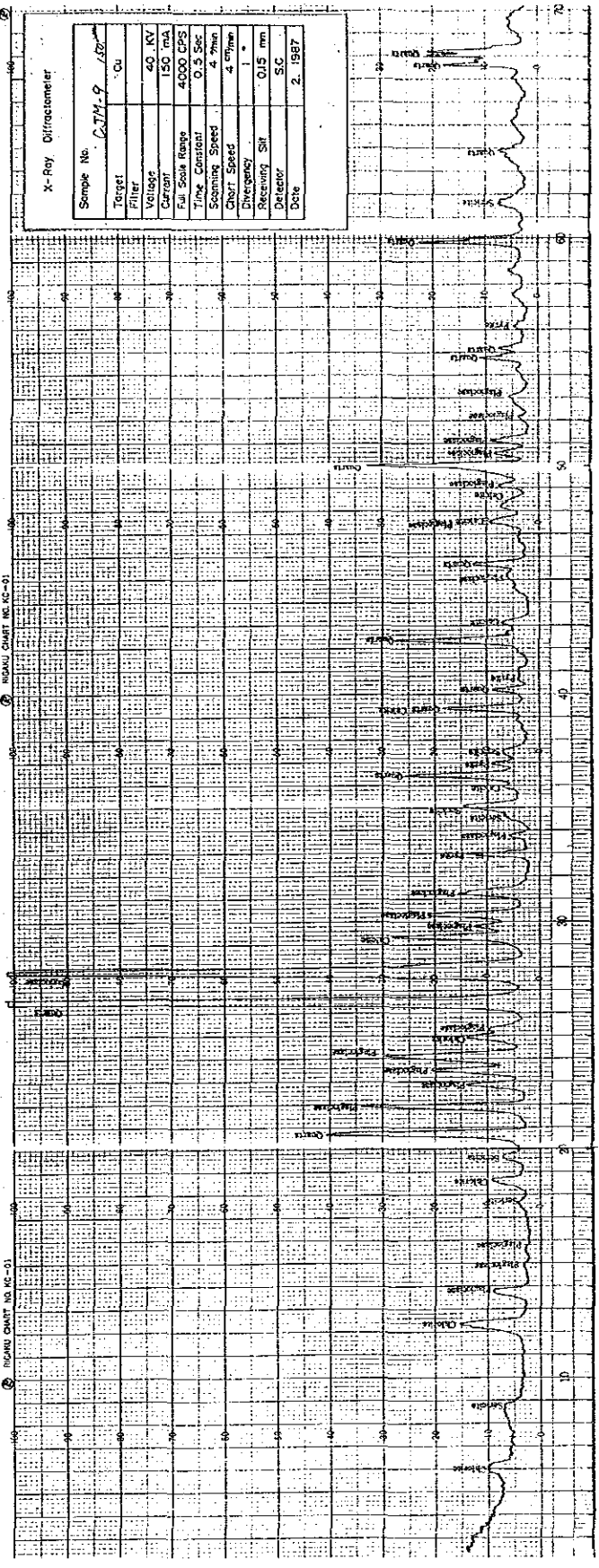
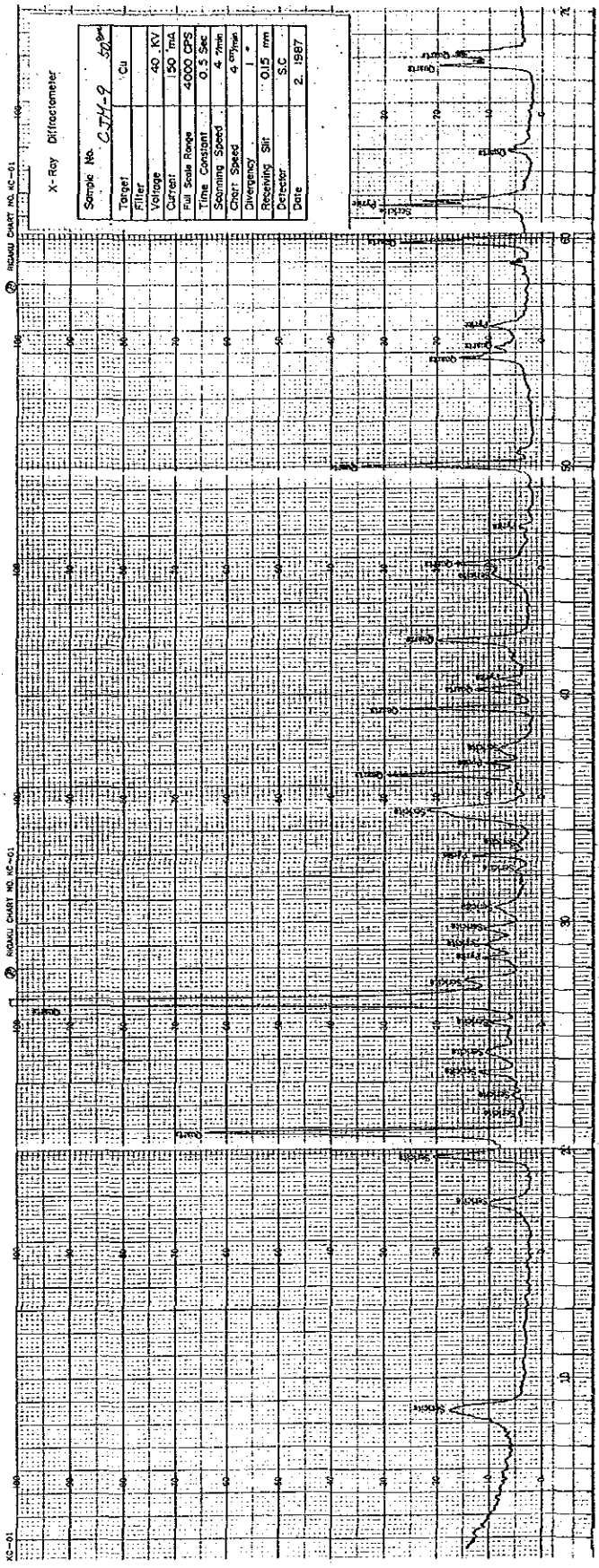
Sample No.	CJM-8
Target	Cu
Filter	
Voltage	40 KV
Current	150 mA
Full Scale Range	4000 CPS
Time Constant	0.5 Sec
Scanning Speed	4 7/min
Chart Speed	4 0/min
Divergency	1 °
Receiving Slit	0.15 mm
Detector	S.C
Date	2. 1987



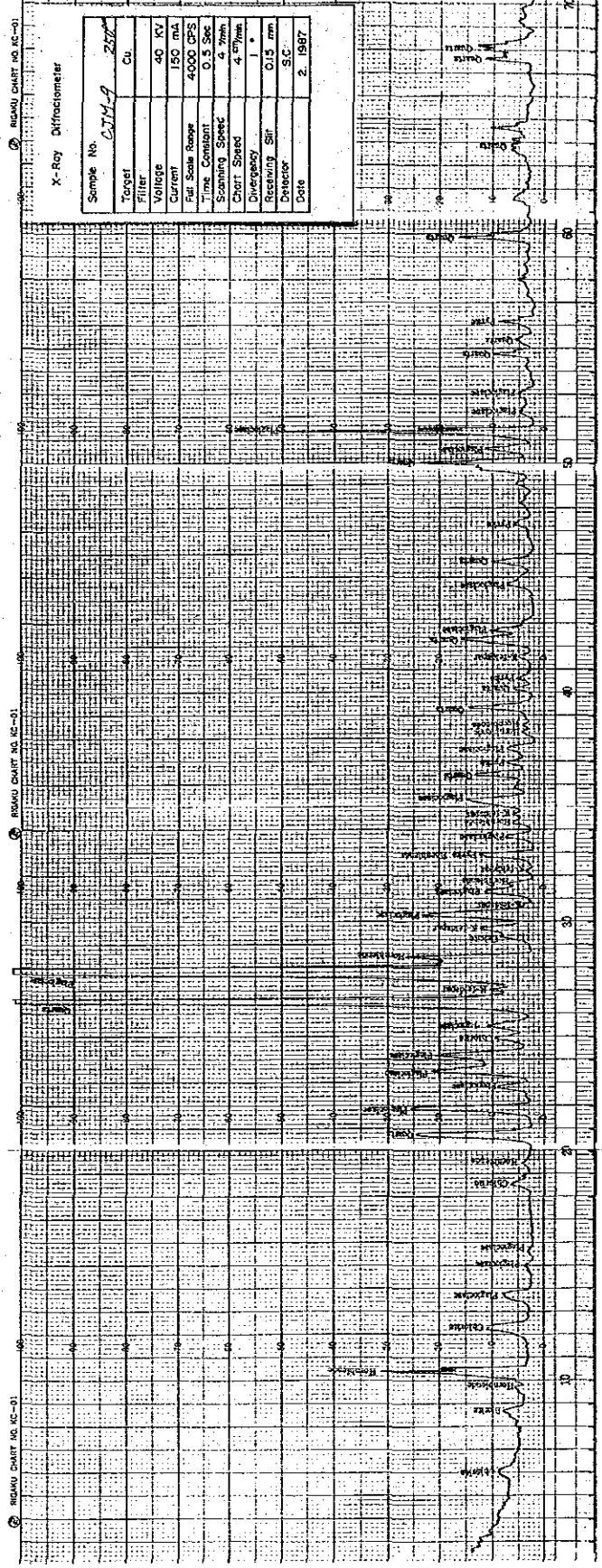
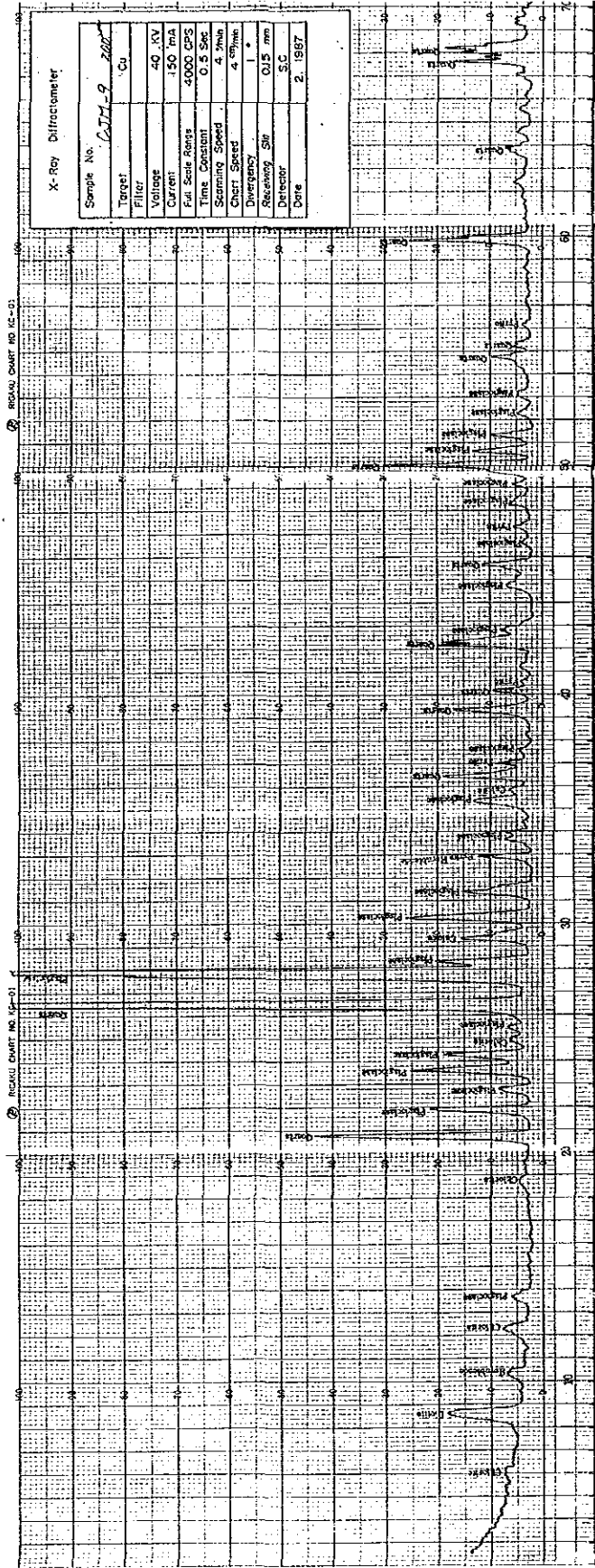
X-Ray Diffractometer

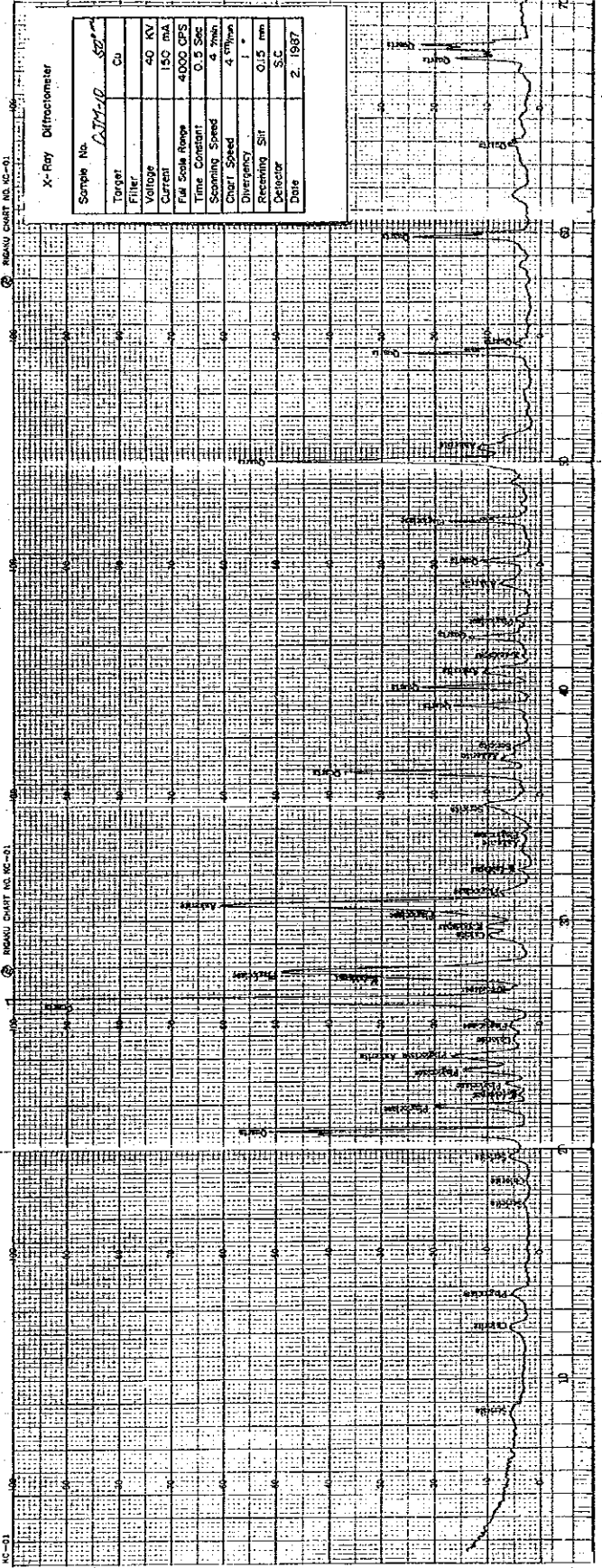
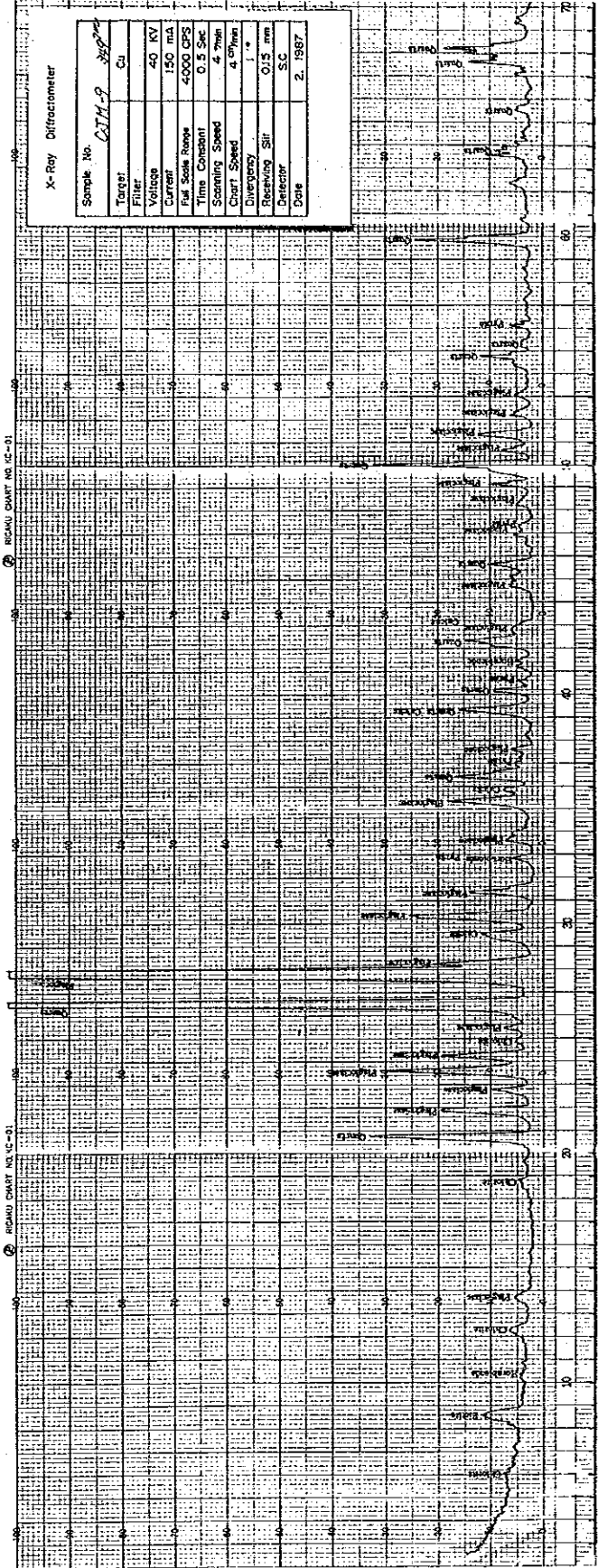
Sample No.	CJM-8
Target	Cu
Filter	
Voltage	40 KV
Current	150 mA
Full Scale Range	4000 CPS
Time Constant	0.5 Sec
Scanning Speed	4 7/min
Chart Speed	4 0/min
Divergency	1 °
Receiving Slit	0.15 mm
Detector	S.C
Date	2. 1987

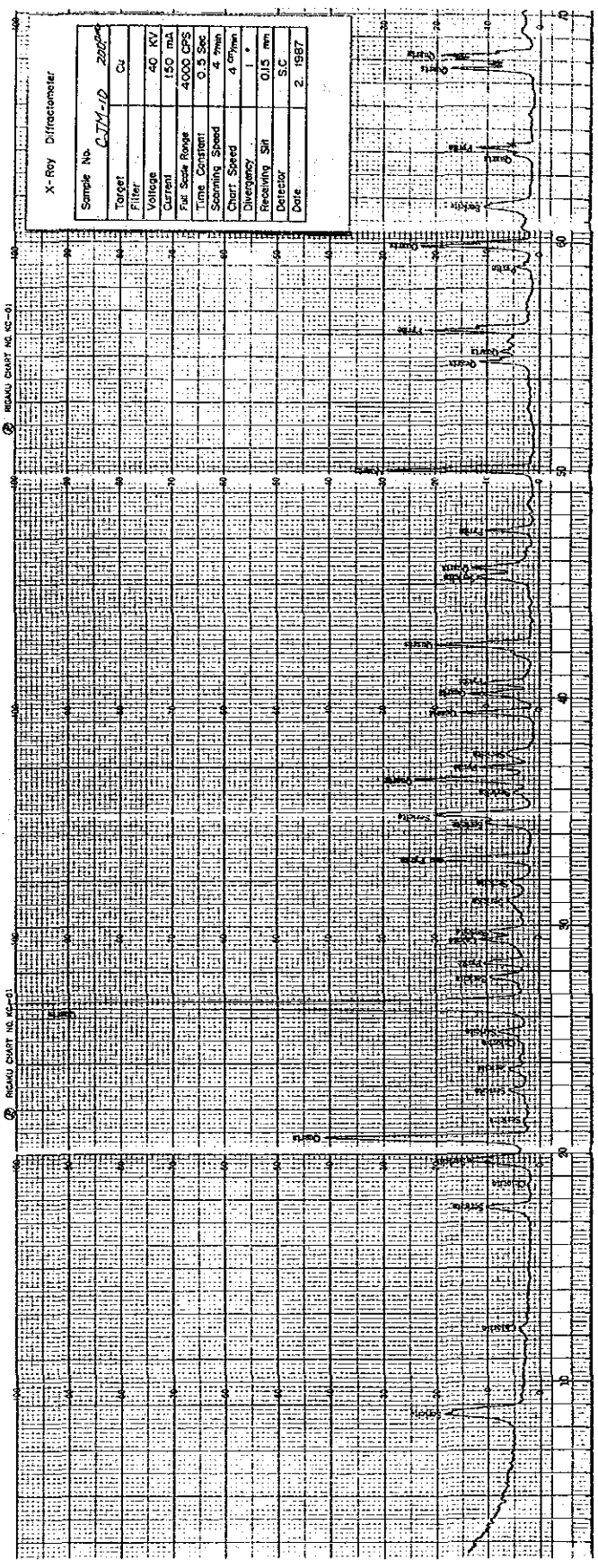
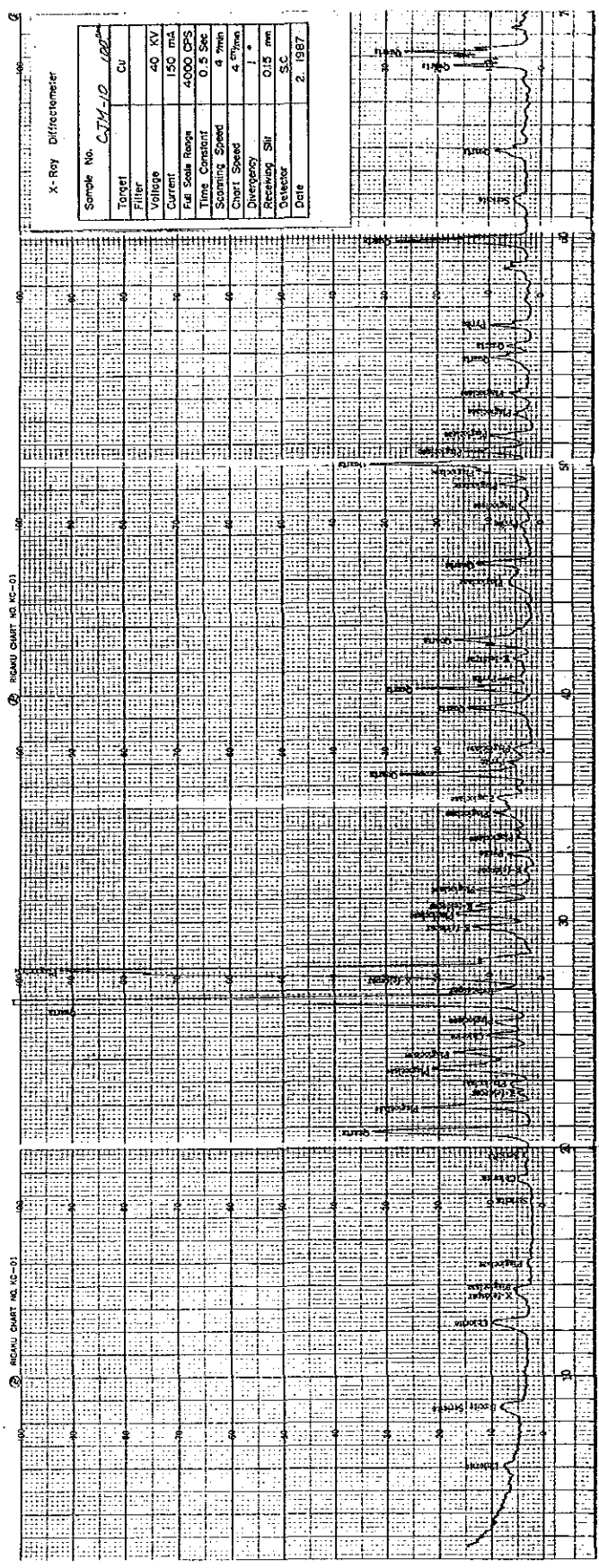


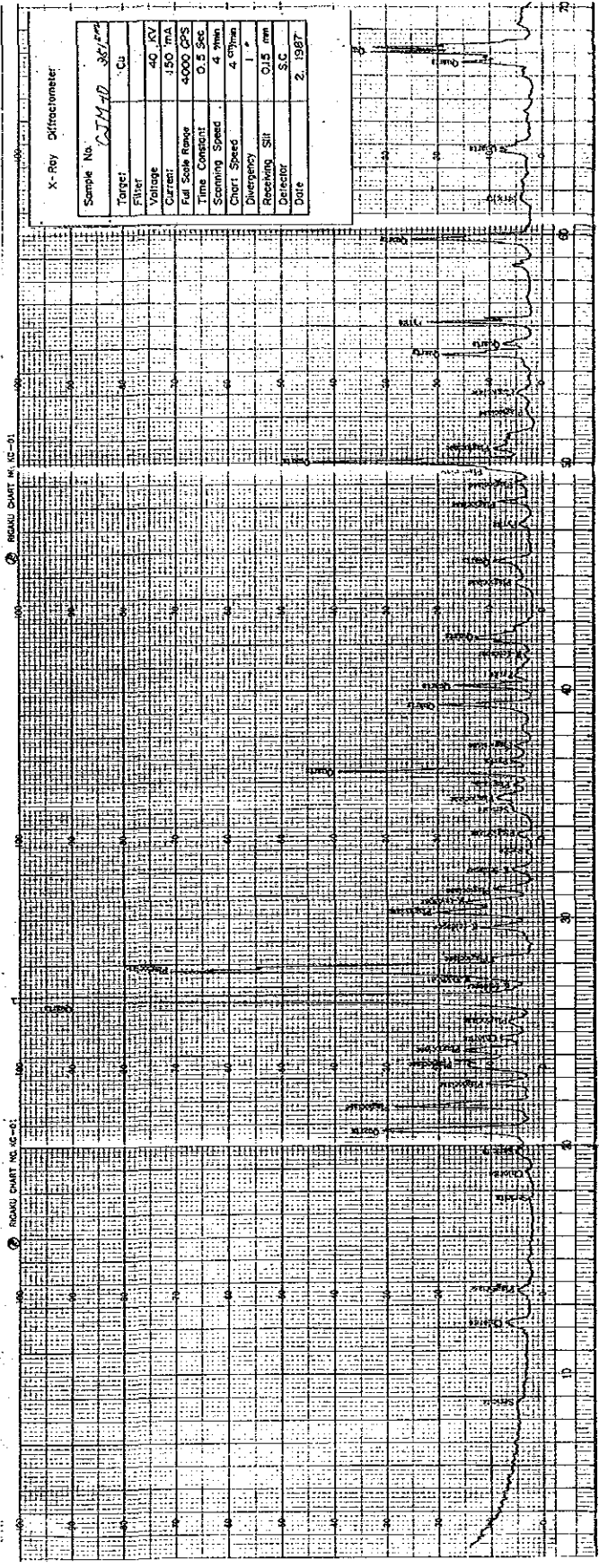
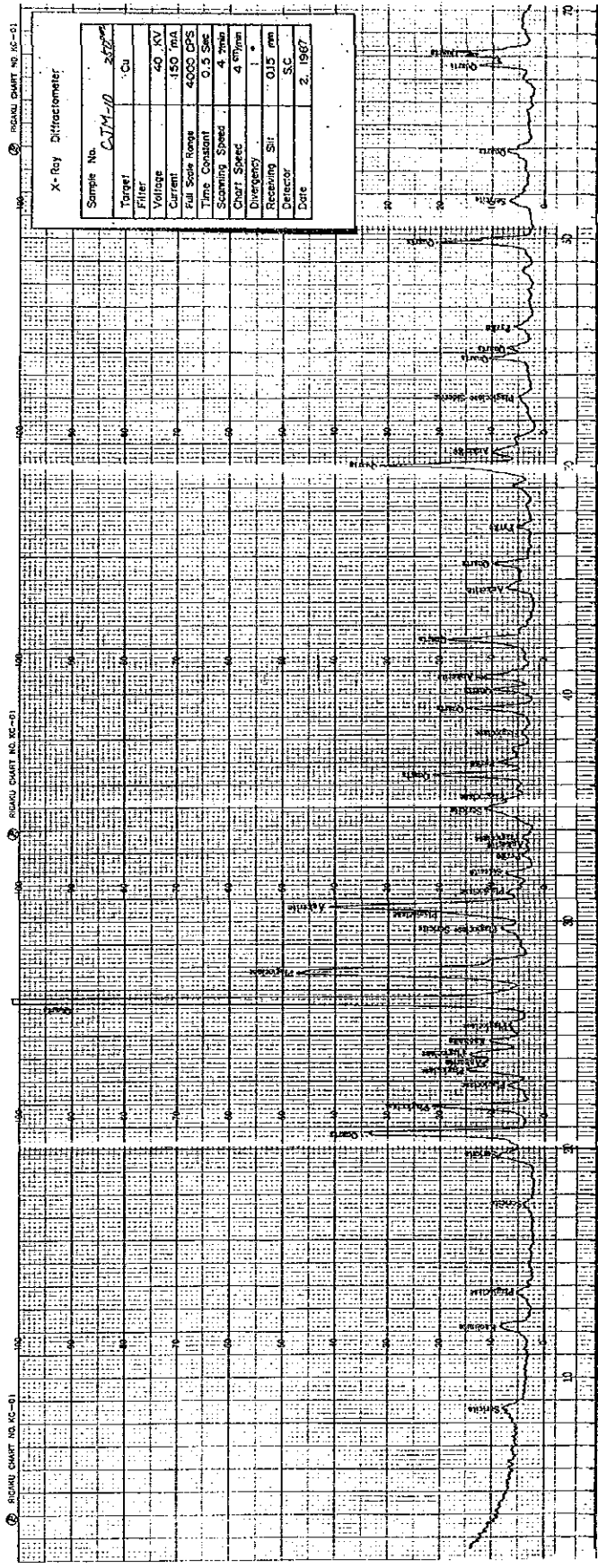




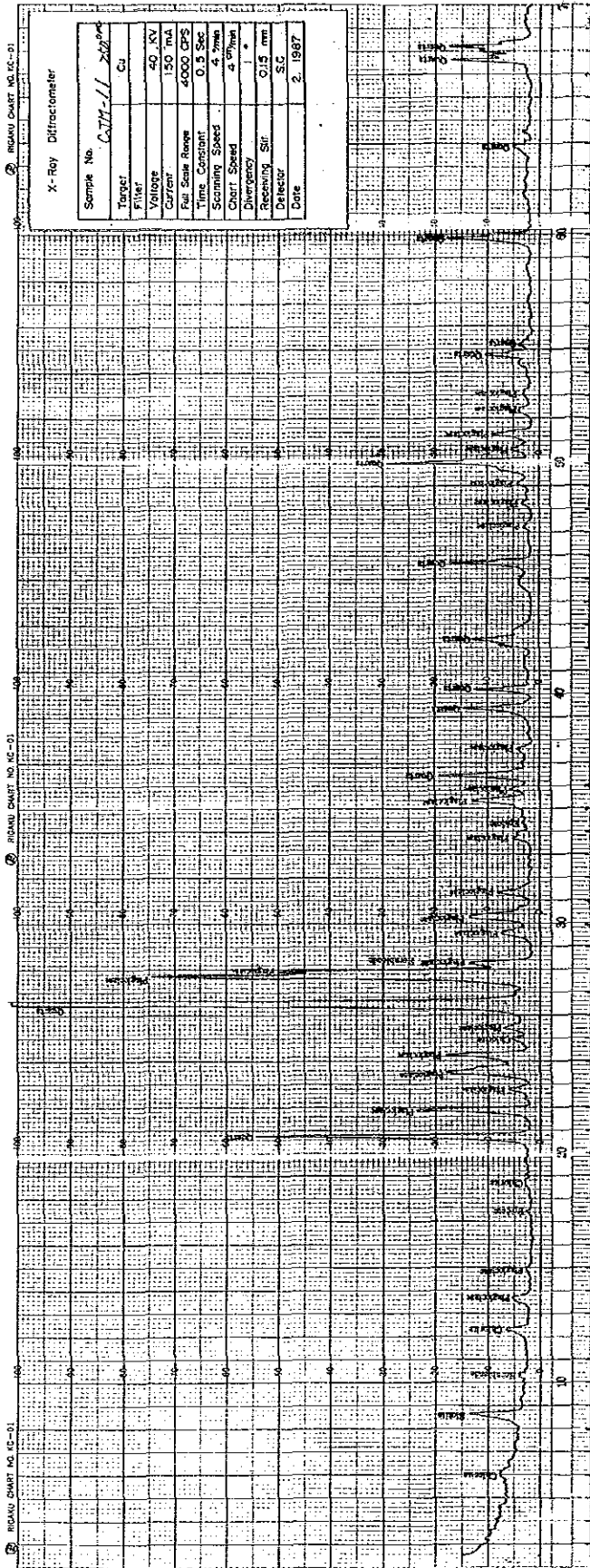














1954